

PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 6 September 2016, Shift 3

SSC CGL · 6 September 2016 · 4:15 PM - 5:30 PM

81 of the paper's 100 questions · +2 for a correct answer, -0.5 for a wrong one · 75 minutes

19 questions of the original paper are not included: those that need a figure or formatting we cannot show, that have no answer in the response sheet, or that we could not check against a second copy of the paper.

Questions from the Staff Selection Commission's paper of 6 September 2016, 4:15 PM - 5:30 PM. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: exambharo.com/previous-year-papers/ssc-cgl-2016-tier-1-6-sep-shift-3/

General Intelligence and Reasoning

1. Select the related word/letters/numbers from the given alternatives: Preamble : Constitution :: ? : ?

- (a) Word : Dictionary
- (b) Contents : Magazine
- (c) Explanation : Poetry
- (d) Preface : Book

Answer: (d)

2. Select the related word/letters/numbers from the given alternatives: EFG : VUT :: KLM : ?

- (a) KJH
- (b) PON
- (c) ZXY
- (d) FDC

Answer: (b)

3. Select the related word/letters/numbers from the given alternatives: 85 : 42 :: 139 : ?

- (a) 68
- (b) 69
- (c) 70
- (d) 67

Answer: (b)

4. For the following questions Find the odd word/letters/number from the given alternatives.

- (a) Geometry
- (b) Trigonometry
- (c) Algebra
- (d) Mathematics

Answer: (d)

5. For the following questions Find the odd word/letters/number from the given alternatives.

- (a) BDGK
- (b) JLOS
- (c) NPSW
- (d) MORU

Answer: (d)

6. For the following questions Find the odd word/letters/number from the given alternatives.

- (a) 64
- (b) 125
- (c) 225
- (d) 216

Answer: (c)

7. If the given words are arranged according to English dictionary, which word will be in third place?

- (a) KNOW
- (b) KNACK
- (c) KNIT
- (d) KNOB

Answer: (d)

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

ELFA, GLHA, ILJA, ? , MLNA

- (a) OLPA
- (b) KLMA
- (c) LLMA
- (d) KLLA

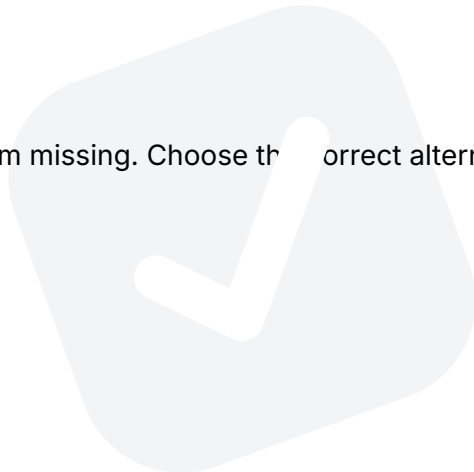
Answer: (d)

9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

5, 11, 17, 25, 33, 43, ?

- (a) 49
- (b) 51
- (c) 52
- (d) 53

Answer: (d)



10. Pointing towards a photo, Rakesh said, "She is the daughter of the only son of my grandfather." How is the girl related to Rakesh?

- (a) Sister
- (b) Daughter
- (c) Grand Daughter
- (d) Cousin

Answer: (a)

11. A is mother of B , C is son of A , D is brother of E, E is daughter of B. Who is the grandmother of E?

- (a) A
- (b) B
- (c) C
- (d) D

Answer: (a)

12. From the given alternative words, select the word which cannot be formed using the letters of the given word: COURAGEOUS

- (a) COURSE
- (b) GRACE
- (c) SECURE
- (d) ARGUE

Answer: (c)

13. If THEN is written as RLBS , then how r CAS e written in that code ?

- (a) AEPJ
- (b) APEP
- (c) EPAP
- (d) PAEJ

Answer: (a)

14. If ' * ' means subtraction ; ' - ' means division , ' □ ' means addition and ' % ' means multiplication, then find the value of: $13 \square 3 * 6 \% 8 - 4 \square 14 = ?$

- (a) 18
- (b) 14
- (c) 12
- (d) 8

Answer: (a)

15. Some equations are solved on the basis of certain system. Find out the correct answer for the unsolved equation on that basis. If $3*2*8*4 = 632$, $2*4*4*4 = 816$ then $3*3*5*1 = ?$

- (a) 95
- (b) 45
- (c) 315
- (d) 184

Answer: (a)

16. Find the missing numbers from the given alternatives

- (a) 120
- (b) 360
- (c) 100
- (d) 240

Answer: (d)

17. Rema walked 10kms south and turned right and walked 5kms. Then again she turned right and walked 10kms. Then she turned left and walked 10kms. How many kms will rema have to walk to reach the starting point?

- (a) 25 km
- (b) 20 km
- (c) 5 km
- (d) 15 km

Answer: (d)

18. One statement is given followed by two conclusions/assumptions, I and II. You have to consider the statement to be true, even if it seems to be in variance from commonly known facts. You are to decide which of the given conclusions/assumptions can definitely be drawn from the given statement. Indicate your answer. Statements: All Hindus are God fearing. No Japanese is a Hindu. Conclusions: I. The Japanese are not God fearing. II. All God fearing are Hindus.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both conclusion I and conclusion II follow
- (d) Neither conclusion I nor conclusion II follows

Answer: (d)

25. In this question, the sets of numbers given in the alternatives are represented. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'O' can be represented by 03, 14, etc., and 'K' can be represented by 56, 65, etc. Similarly you have to identify the set for the word 'EASE'

- (a) 55, 85, 44, 42
- (b) 77, 85, 88, 44
- (c) 77, 66, 31, 44
- (d) 00, 98, 23, 98

Answer: (b)

General Awareness

26. The rate at which RBI gives short term loan to commercial banks is called

- (a) Repo rate
- (b) Reverse Repo rate
- (c) Bank rate
- (d) Cash Reserve rate

Answer: (a)

27. The nationalisation of major commercial banks took place in

- (a) 1947
- (b) 1956
- (c) 1969
- (d) 1980

Answer: (c)

28. Lok Sabha Secretariat comes under the direct control of

- (a) Ministry of Home Affairs
- (b) Ministry of Parliamentary Affairs
- (c) Speaker of Lok Sabha
- (d) President

Answer: (c)

29. Which of the following Act introduced separate electorates (communal representation) for Muslims?

- (a) 1892 Act
- (b) Act of 1909
- (c) Reforms of 1919
- (d) Government of India Act of 1935

Answer: (b)

30. Where is the Brihadeshwar temple, built during the Chola period, located?

- (a) Mysore
- (b) Mahabalipuram
- (c) Tanjavur
- (d) Kanyakumari

Answer: (c)

31. The first protocol to ban the emissions of chlorofluorocarbons in the atmosphere was made in

- (a) Montreal
- (b) Osaka
- (c) Geneva
- (d) Florida

Answer: (a)

32. Blood group was discovered by

- (a) Alexander Fleming
- (b) William Harvey
- (c) Landsteiner
- (d) Paulov

Answer: (c)

33. Magnetic Meridian is a

- (a) Line parallel to the equator of the Earth
- (b) Latitude
- (c) Line joining the geographic north and geographic south of Earth
- (d) Plane passing through the magnetic north and magnetic south of Earth

Answer: (d)

34. Programs that duplicate the functionality of one system on another system is known as

- (a) Emulators
- (b) Simulators
- (c) Evaluators
- (d) PCB

Answer: (a)

35. The manufacturing of iron from iron-ore involves _____ process of

- (a) Oxidation
- (b) Reduction
- (c) Electrolysis
- (d) Fractional distillation

Answer: (b)

36. In a rainforest, the vegetation that grows under the shade of a canopy is known as

- (a) Crown
- (b) Canopy
- (c) Understorey
- (d) Forest floor

Answer: (c)

37. The term "roll-in" is used in

- (a) Cricket
- (b) Tennis
- (c) Hockey
- (d) Golf

Answer: (c)

38. Which of the following is the busiest International sea port in India?

- (a) Mumbai
- (b) Kolkata
- (c) Kochi
- (d) Tuticorin

Answer: (a)

39. The word "Secular" was added to the Preamble of the Constitution of India by which Constitutional Amendment?

- (a) 41st Constitutional Amendment
- (b) 42nd Constitutional Amendment
- (c) 43rd Constitutional Amendment
- (d) 44th Constitutional Amendment

Answer: (b)

40. Who coined the slogan "Inquilab Zindabad"?

- (a) Subash Chandra Bose
- (b) Balgangadhar Tilak
- (c) Bhagat Singh
- (d) Sukhdev

Answer: (c)

41. "Great Barrier Reef", the world's largest Coral reef, is located in

- (a) Caribbean Islands
- (b) Australia
- (c) Philippines
- (d) Indonesia

Answer: (b)

42. Decoding and interpretation of visual information in brain is associated with

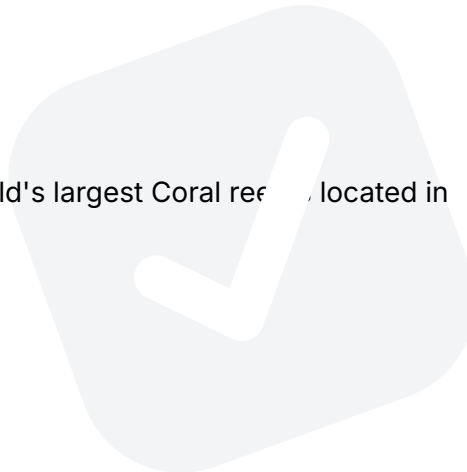
- (a) Frontal lobe
- (b) Occipital lobe
- (c) Temporal lobe
- (d) Parietal lobe

Answer: (c)

43. Flemings "Left hand Rule" is associated with the effect of

- (a) Electric field on current
- (b) Magnetic field on magnet
- (c) Electric field on magnet
- (d) Magnetic Field on current

Answer: (d)



44. An emulsion is a colloidal solution of

- (a) Liquid in liquid
- (b) Solid in liquid
- (c) Gas in solid
- (d) Solid in Solid

Answer: (a)

45. _____ is a byproduct of sewage treatment and can be decomposed to produce bio-gas

- (a) Sewage
- (b) Sludge
- (c) Sewer
- (d) Scum

Answer: (b)

46. The BRICS New Development Bank (NDB) is headquartered at

- (a) Shanghai
- (b) New Delhi
- (c) Brasilia
- (d) Moscow

Answer: (c)

47. Which one of the following cities of Iraq is located _____ Tigris river?

- (a) Baghdad
- (b) Mousul
- (c) Kirkuk
- (d) Basra

Answer: (a)

48. Human Development Index is prepared by

- (a) UNDP
- (b) WTO
- (c) IMF
- (d) WHO

Answer: (a)

49. Uber Cup is associated with

- (a) Football
- (b) Handball
- (c) Badminton
- (d) Squash

Answer: (c)

50. The food in Onion is stored in the form of _____

- (a) Cellulose
- (b) Protein
- (c) Starch
- (d) Sugar

Answer: (a)

Quantitative Aptitude

51. If $\frac{4}{5}$ th of a number exceeds its $\frac{3}{4}$ th by 8. then the number is :

- (a) 130
- (b) 120
- (c) 160
- (d) 150

Answer: (c)

52. The rate of discount being given on a shirt, where selling price is Rs. 546 after deducting a discount of Rs. 109 on its marked price, is

- (a) 14%
- (b) 18%
- (c) 15%
- (d) 16%

Answer: (d)

53. If the ratio of two numbers is 1:5 and their product is 320, then the difference between the squares of these two numbers is

- (a) 1024
- (b) 1256
- (c) 1536
- (d) 1435

Answer: (c)

55. A man bought 30 defective machines for Rs. 1000. He repaired and sold them @ Rs. 300 per machine. He got profit of Rs. 150 per machine. How much did he spend on repairs ?(in Rupees)

- (a) 5500
- (b) 4500
- (c) 3500
- (d) 2500

Answer: (c)

56. x is 5 times longer than y . The percentage by which y is less than x is :

- (a) 50%
- (b) 40%
- (c) 80%
- (d) 70%

Answer: (c)

57. A motor cycle gives an average of 45 km per litre. If the cost of petrol is Rs. 20/litre. The amount required to complete a journey of 540 km is, (in Rupees)

- (a) 120
- (b) 360
- (c) 200
- (d) 240

Answer: (d)

58. A sum of money amounts to Rs. 6655 at the rate of 10% compounded annually for 3 years. The sum of money is

- (a) Rs.5000
- (b) Rs.5500
- (c) Rs.6000
- (d) Rs.6100

Answer: (a)

62. If 'O' is the incentre of the ΔPQR . If $\angle POR = 115^\circ$ then value of $\angle PQR$ is

- (a) 40°
- (b) 65°
- (c) 50°
- (d) 25°

Answer: (c)

63. The inradius of triangle is 4 cm and its area is 34 sq. cm. the perimeter of the triangle is

- (a) 8.5 cm
- (b) 17 cm
- (c) 34 cm
- (d) 20 cm

Answer: (b)

65. A certain number of men can do a piece of work in 60 days. If there were 6 men more, the work can be finished 20 days earlier. The number of men working is

- (a) 6
- (b) 12
- (c) 18
- (d) 24

Answer: (b)

67. The area of a triangle ABC is 10.8 cm^2 . If $CP = PB$ and $2AQ = QB$ then the area of the triangle APQ is

- (a) 3.6 cm^2
- (b) 0.9 cm^2
- (c) 2.7 cm^2
- (d) 1.8 cm^2

Answer: (d)

69. From the top of a building 60 metre high, the angle of depression of the top and bottom of a tower are observed to be 30° and 60° . The height of the tower in metre is

- (a) 40
- (b) 45
- (c) 50
- (d) 55

Answer: (a)

70. If a circle of radius 12 cm is divided into two equal parts by one concentric circle, then radius of inner circle is

- (a) 6 cm
- (b) 4 cm
- (c) $6\sqrt{2} \text{ cm}$
- (d) $4\sqrt{2} \text{ cm}$

Answer: (c)

71. If $\cos x = \sin y$ and $\cot(x - 40^\circ) = \tan(50^\circ)$ then the value of x and y are ;

- (a) $x = 70^\circ, y = 20^\circ$
- (b) $x = 75^\circ, y = 15^\circ$
- (c) $x = 85^\circ, y = 5^\circ$
- (d) $x = 80^\circ, y = 10^\circ$

Answer: (c)

72. The bar graph shows the number of males and females (in crores) in India during 1951-1991.

Read the graph and answer the following questions

What was the approximate percentage of female population in India during 1991 ?

- (a) 48.23
- (b) 48.02
- (c) 48.03
- (d) 48.33

Answer: (a)

73. The bar graph shows the number of males and females(in crores) in India during 1951-1991.

Read the graph and answer the following questions

What was the approximate number of males in India in 1971 per thousands females

- (a) 913
- (b) 1075
- (c) 1077
- (d) 1175

Answer: (c)

74. The bar graph shows the number of males and females(in crores) in India during 1951-1991.

Read the graph and answer the following questions

What is the ratio of the numbers of females in India in 1961 per thousand males to the number of males in India in 1991 per thousand females ?

- (a) 943:1077
- (b) 1077:943
- (c) 1073:913
- (d) 913:1073

Answer: (d)

75. The bar graph shows the number of males and females(in crores) in India during 1951-1991.

Read the graph and answer the following questions

Assuming that the rate of increase in the total population in India during 1991-2001 remains the same as that was during the period 1981-1991, estimate the total population in India in 2001.

- (a) 105.62 crores
- (b) 106.25 crores
- (c) 106.52 crores
- (d) 105.26 crores

Answer: (b)

English Comprehension

76. In the following question, out of the four alternatives, choose the word which best expresses the meaning of the given word and click the button corresponding to it. NEGOTIATION

- (a) IN-BETWEEN
- (b) CARELESSNESS
- (c) BARGAINING
- (d) SLACKNESS

Answer: (c)

77. In the following question, out of the four alternatives, choose the word which is opposite in meaning to the given word and click the button corresponding to it. IMPROMPTU

- (a) PUNCTUAL
- (b) PROMPT
- (c) PREPARED
- (d) PROFOUND

Answer: (c)

78. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word and click the button corresponding to it.

- (a) Bureaucracy
- (b) Beureaucracy
- (c) Beureaucracie
- (d) Bureaucracie

Answer: (a)

79. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option. He told his friend (A) / that he could not do that work (B) / because it is not to his taste (C) / No Error (D)

- (a) A
- (b) B
- (c) C
- (d) D

Answer: (c)

80. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option. The tragedy of Julius Caesar (A) / was written by William Shakespeare (B) / about 1599 (C) / No Error (D)

- (a) A
- (b) B
- (c) C
- (d) D

Answer: (c)

81. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option. The writer is (A) / evidently enamoured at (B) / the subject (C) / No Error (D)

- (a) A
- (b) B
- (c) C
- (d) D

Answer: (b)

82. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it. Nothing is impossible ____ him.

- (a) in
- (b) about
- (c) for
- (d) on

Answer: (c)

83. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it. My relations ____ him are not friendly.

- (a) between
- (b) with
- (c) to
- (d) for

Answer: (b)

84. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it. George ____ to this country a year ago.

- (a) was coming
- (b) came
- (c) is coming
- (d) comes

Answer: (b)

85. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

Blow one's trumpet

- (a) To praise another
- (b) To praise a leader
- (c) To praise oneself
- (d) To praise a community

Answer: (c)

86. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

Stick to his guns

- (a) Stand by his truth
- (b) Maintain his own opinion
- (c) Maintain his weapons
- (d) Maintain his anger

Answer: (b)

87. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it. At sea

- (a) Journey
- (b) At a loss
- (c) Surprise
- (d) Sad

Answer: (b)

88. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it. One who is eighty years old

- (a) Septagenarian
- (b) Sextagenarian
- (c) Nonagenarian
- (d) Octogenarian

Answer: (d)

89. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it. A shady fertile place in the desert

- (a) Oasis
- (b) Motel
- (c) Orchard
- (d) Garden

Answer: (a)

90. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it. A place where bees are kept

- (a) Apiary
- (b) Nursery
- (c) Aviary
- (d) Kennel

Answer: (a)

Passage — for questions 96–100

Stockholm is spread out on an archipelago of islands, where Lake Malaren meets the Baltic Sea. More airy than Venice, with wide-open spaces, it is one-third water. Its other two-thirds combine arched bridges, jet fountains, and palatial buildings trimmed with gold. For Stockholmers, fans of great outdoors, this is an amiable and graceful home and a healthy environment in which to live. Minutes from the city centre are parks and woodland for recreation, and clear water for swimming and fishing. In winter, everyone takes to ice-skating, on artificial rinks in the shadows of grand palaces, or on the frozen waters of the channel. Stockholm is also a city at the leading edge of fashion, design and advanced technology. Fashion houses and IT companies use the city as a test market for their innovations, especially as Stockholmers are followers of technology. Stockholm is the capital as well as the largest city of Sweden. It is the site of the government and Parliament of the country.

96. An archipelago is a collection of ____ .

- (a) cities
- (b) islands
- (c) lakes
- (d) coral-reefs

Answer: (b)

98. What is the opposite of the word 'amiable'?

- (a) Enervating
- (b) Refreshing
- (c) Invigorating
- (d) Unpleasant

Answer: (d)

99. Why is Stockholm used as a test market for innovation by IT companies and Fashion houses?

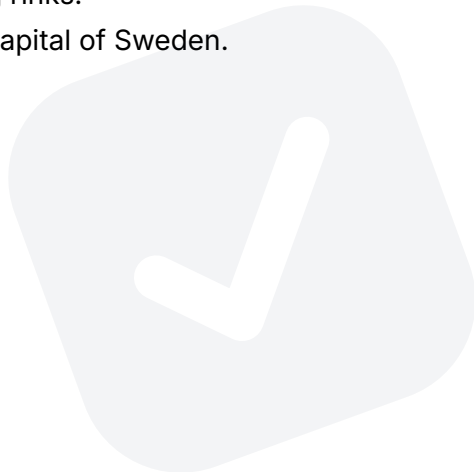
- (a) The Stockholmers are followers of technology.
- (b) Stockholm is the largest city of Sweden.
- (c) The citizens are fashionable.
- (d) The people like the outdoors.

Answer: (a)

100. Stockholm is important to the country because ____ .

- (a) it has palatial buildings.
- (b) there are parks and woodlands for recreation.
- (c) there are artificial skating rinks.
- (d) it is the largest city and capital of Sweden.

Answer: (d)



Answer key

Answer key as marked in the Staff Selection Commission's response sheet. "—" means the sheet did not show it clearly.

General Intelligence and Reasoning

1	(d)	2	(b)	3	(b)	4	(d)	5	(d)	6	(c)	7	(d)	8	(d)
9	(d)	10	(a)	11	(a)	12	(c)	13	(a)	14	(a)	15	(a)	16	(d)
17	(d)	18	(d)	25	(b)										

General Awareness

26	(a)	27	(c)	28	(c)	29	(b)	30	(c)	31	(a)	32	(c)	33	(d)
34	(a)	35	(b)	36	(c)	37	(c)	38	(a)	39	(b)	40	(c)	41	(b)
42	(c)	43	(d)	44	(a)	45	(b)	46	(c)	47	(a)	48	(a)	49	(c)
50	(a)														

Quantitative Aptitude

51	(c)	52	(d)	53	(c)	55	(c)	56	(c)	57	(d)	58	(a)	62	(c)
63	(b)	65	(b)	67	(d)	69	(a)	70	(c)	71	(c)	72	(a)	73	(c)
74	(d)	75	(b)												

English Comprehension

76	(c)	77	(c)	78	(a)	79	(c)	80	(c)	81	(b)	82	(c)	83	(b)
84	(b)	85	(c)	86	(b)	87	(b)	88	(d)	89	(a)	90	(a)	96	(b)
98	(d)	99	(a)	100	(d)										